

Cutoff Wavenumbers Of An Eccentric Dielectric Cylinder Loading Acircular Waveguide

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Summary

The cutoff wavenumbers of an eccentric dielectric loading a circular waveguide are calculated. Analytical formulations are developed based on the boundary value method. The cutoff wavenumbers are then calculated as roots of the resulting characteristic determinant. Several examples for special cases are introduced for comparison followed by a general example

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